

SECRET

25X1

Copy 2 of 6**CONTRACT APPROVAL**

Contract No. SP-1914

1. As a follow-up of verbal authority to proceed, the Contractor is hereby formally authorized to fabricate six (6) sampler noses having the following performance characteristics:

a. Filter elements:

- (1) Four filter elements are provided in order to obtain four separate air samples per mission.
- (2) Filter elements are 10 inches in diameter or .55 square feet supported by $\frac{1}{2}$ " mesh screen on forward side and $\frac{1}{2}$ " mesh screen on aft side.

b. Duct:

- (1) The duct is designed to use filter elements whose velocity flow is .10.
- (2) This duct will be calibrated for flow in flight test. It is to be stainless steel for ease of cleaning.

c. Performance:

- (1) Based on the duct design shown and the use of filter elements whose velocity flow rates is .10, the following times will be required to collect air samples of 10,000 cubic feet of equivalent sea level air:

Altitude, Ft.

Time, minutes

71
46
29
23
22

The normal time available at altitude for air sampling is 6 hours and 10 minutes.

d. The actual nose is to be similar to the one shown on the drawing you have dated 26 March 1956 except that it will be slightly shorter and will have more rounded entrance tips. The system is not designed for picking up dangerous samples.

Distribution:

Orig - Kelly

2 -

3 -

4 -

5 - Chrono

6 - Reading

Contracting Officer
Contract No. SP-1914

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